FILE NOTATIONS

tered in NID File

Checked by Chief
Approval Letter
Disapproval Letter

Location Inspected

COMPLETION DATA:

Date Well Completed 1/7.7.79

TA:

GW. OS. PA

Dond released.
State or Fee Land

Driller's Log.....

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-N..... Micro.....

LOGS FILED

BRC Sonic GR..... Lat..... Mi-L.... Sonic..... CBLog..... CCLog..... Others....

date 1st production - 2/8/79 8-3-79- Operations sold to: Narmer, Inc.



NW St 8

2400 ANACONDA TOWER · 555 SEVENTEENTH STREET · DENVER, COLORADO 80202 · 303-825-6100

September 22, 1978

U. S. Geological Survey
E. W. Guynn, District Engineer
8426 Federal Building
125 South State Street
Salt Lake City, Utah 84138

Re: Filing NTL-6 and A.P.D. Form 9-331C
The Anschutz Corporation
Federal 258 No.1-A
C NW NW Sec. 5, T.18S, R.24E
Grand County, Utah

Dear Mr. Guynn:

Enclosed are four copies of our preparation of the NTL-6 program and the A.P.D. Form 9-331C for the above captioned well location. One of these copies is to be forwarded to the BLM at Moab, Utah.

Would you kindly set a time with the BLM to go on ground to inspect the well site and notify us accordingly? I will be available for predrill inspection when you advise us.

An archaeological report is not included with the NTL-6 report, because this replacement well is staked within 200' of the existing hole. Please inform me-if an additional survey is required.

We will appreciate your earliest attention on the above matter.

Please return the enclosed fourth copy to our office with approval and comments.

Very truly yours,

Peter B. Doty

Production Coordinator

PBD:kg Enclosures:

cc: State of Utah

Division of Oil & Gas & Mining

<u>TABLE I</u>

ESTIMATED IMPORTANT GEOLOGIC MARKERS

FORMATION	DEPTH	ELEVATION
Mancos Shale	Surface	+5208
Dakota Sand	3610 '	+1598
Cedar Mountain	3700 °	+1508

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS
THE ANSCHUTZ CORPORATION

#1A - FEDERAL - 258 1765' FEL -701709' FSL SEC. 5, T.18S, R.24E

The Geologic Surface Formation

This well is situated on the northwestern edge of the Grand Valley. The surface consists of alluvial and colluvial deposits derived from the sedimentary formations which form the steep faces of the Book Cliffs. The surface formation is the dark gray Mancos Shale and the Cliffs are formed from resistant Cretaceous and Tertiary sandstones.

Estimated Important Geologic Markers

See Table I.

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

The Dakota formation, at approximately 3610' Depth, is expected to produce oil.

4. The Proposed Casing Program

The casing program for this well follows. 2500 feet of 8-5/8" new K-55, 24# casing will be set in a 12-1/4" surface hole. This will be set with 180 sacks of Class G cement with return flow to the surface.

In the event of production, 4-1/2", 9.5# production casing in a 7-7/8" hole at T.D. will be set. This will be set with 200 sacks of 50-50 Posmix with 2% gel and 2% Cacl₂.

5. The Operator's Minimum Specifications for Pressure Control

Exhibit "C" is a schematic diagram of the blowout preventer equipment planned for use in this well. The BOP's will be hydraulically tested to the full working pressure after nippling up and after any use under pressure. Pipe rams will be operationally checked each 24 hour period. The blind rams and annula preventer will be checked each time pipe is pulled out of the hole. All testings will be recorded in the daily drill sheets. Accessories to BOP's include upper and lower kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

The Type and Characteristics of Proposed Muds It is planned that this well will be drillled with air from the base of the surface casing to the total depth. If air is abandoned, then (b) and (c) will be used. (b) If air drilling is abandoned, then the hole will be drilled with native muds to 4000'.

- (c) From 4000' to TD the hole will be drilled with Chem-Gel with the mud weighted as necessary for good hole conditions. The water loss will be kept from 8 to 12cc and the viscosity between 35 and 45.

The Auxilliary Equipment to be Used

- (a) A kelly cock will be kept in the string at all times.
- (b) A float will be used at the bit at all times.
- (c) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly cock is not in the string.

The Testing, Logging, and Coring Programs

- (a) All valid shows will be tested. The objective for this well is the Salt Wash Formation.
- If air drilled, an induction log will be run from TD to the base of the surface casing and gamma ray, compensated formation density, and sidewall neutron porosity logs will be run at the minimum footage. If the hole is fluid filled, a dual induction log will be run from TD to the base of the surface casing and gamma ray, compensated formation density, and compensated neutron logs will run at the minimum footage.
- No coring is anticipated.

Any Anticipated Abnormal Pressures or Temperatures Expected

No abnormal pressures or temperatures have been noted or reported in the wells drilled in this area to these depths. No hydrogen sulphide or other hazardous gases or fluids have been found reported or known to exist at these depths in this area.

10. The Anticipated Starting Date and Duration of Operations

The anticipated starting date is set for November 1, 1978, or as soon as possible after examination of the surface and approval of drilling requirements.

It is anticipated that the well should be completed within 30 days after spudding.

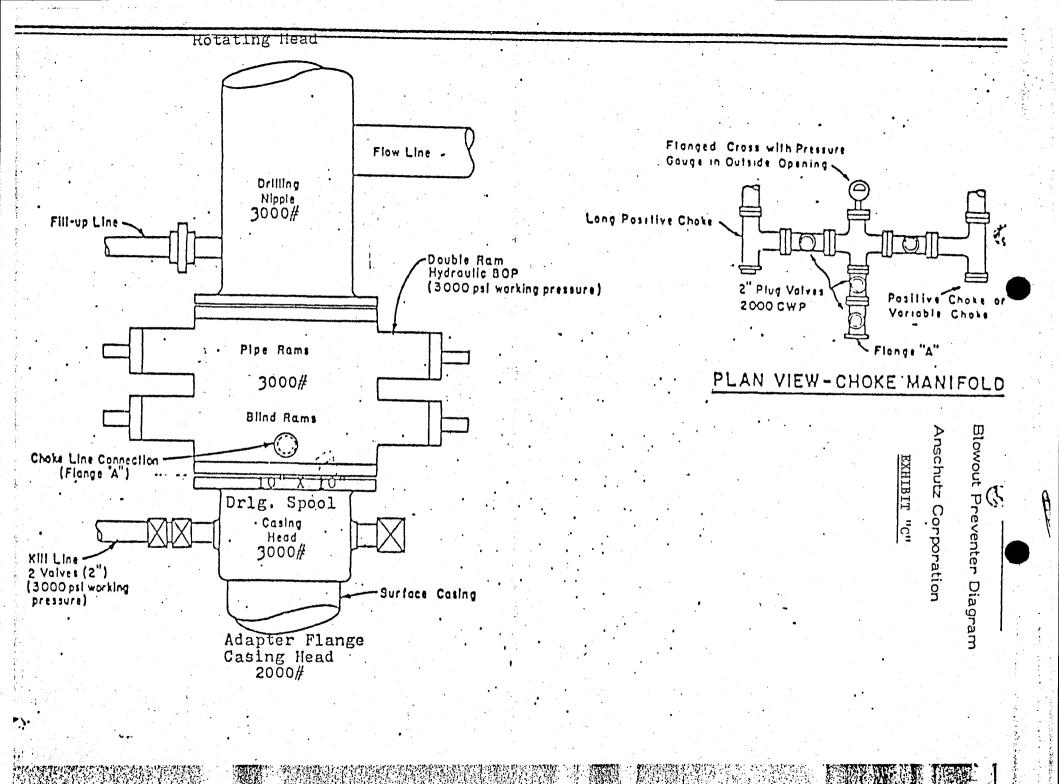


EXHIBIT "D"

MULTIPOINT REQUIREMENTS TO ACCOMPANY APD ATTACHED TO FORM 9-331C THE ANSCHUTZ CORPORATION

#1A - FEDERAL - 258 1765' FEL - 1709' FSL SEC. 5, T.18S, R.24E

Existing Roads

- A. EXHIBIT "A", is the proposed well site as staked by Uintah Engineering and Land Surveying, and the ground elevation is shown thereon.
- B. EXHIBIT "E" is a color coded map used because general features show more prominantly than other maps found. One travels 40 miles on I-70 from Thompson, Utah, east to the Harley Dome exit, then proceeds north and east on U.S. 6 and 50. At the Westwater Unit turnoff, it is approximately 11 miles northwest on gravel and dirt road to the location. This location is within 1,000 feet of this road, which can be used in most weather conditions. The blue color in Exhibit "E" indicates this good, passable road.
- C. EXHIBIT "E" shows the existing usable roads in blue. No new roads are anticipated.
- D. This is not an exploratory well.
- E. All known roads in the area are shown in EXHIBIT "E". Generally, all roads are gravel or hard packed dirt.
- F. There is no plan to improve or maintain existing roads.

Planned Access Roads

There are no new access roads planned. Use of the existing road to the #1 Federal 258 is anticipated.

(1) NA, (2) NA, (3) NA, (4) NA, (5) NA, (6) NA, (7) NA, (8) NA

3. Location of Existing Wells

A one mile radius from each of the proposed development wells is indicated in EXHIBIT "E". All known wells and their current status are indicated thereon.

(1) No known water wells exist in the area.

Location of Existing Wells - Cont'd

- (2) EXHIBIT "E" shows all known wells in the area. The closest dry hole is in the SE 1/4 of the NE 1/4, Section 5, T.18S, R.24E.
- (3), (4), (5) There are no known temporarily abandoned disposal or drilling wells in the area.
- (6) The only producing well in this area is the Anschutz Corporation's well #2-Fed-258, as shown in EXHIBIT "E".
- (7), (8), (9). There are no known shut-in, injection, or observation wells in this area.

4. Location of Existing and/or Proposed Facilities

Existing facilities are shown on EXHIBIT "G". At present we do not anticipate having to move any of the production equipment with the possible exception of the pumping unit.

An existing oil flow line from #2-Federal 258 is shown on EXHIBIT "E" in green.

Additional surface disturbance is shown in red on EXHIBIT "G".

Location and Type of Water Supply

Water, if needed, will be obtained from flowing water in Westwater Creek.

6. Construction Materials

A,B,C,D. No construction materials are needed for drilling operations. The sand, gravel and rock located in situ are adequate for any construction necessary in connection with either dry or producing wells. There are no access routes needed for crossing Indian land. No new access roads or upgrading of present roads on Federal lands is anticipated.

7. Handling Waste Disposals

- (1) Drill cuttings will be buried in the reserve pit when covered.
- (2) Drilling fluids will also be handled in the reserve pit.
- (3) Any fluids produced while drill stem testing or producing or other testing will be collected in a test tank set near the pipe baskets or near the well head. Any unavoidable spills of oil or other adverse substances or materials will be covered or removed immediately during drilling progress or during completion operations.
- (4) Any sewage will be covered or removed.

7. Handling Waste Disposals - Cont'd

- (5) Garbage, wastes and non-flammable wastes, salts and other chemicals produced or used during drilling or testing will be handled in the reserve pit or kept in the trash or burn pit. The trash or burn pit will be covered with small wire mesh to prevent scattering.
- (6) The reserve pit, in addition to the trash or burn pit, will be fenced on three sides during drilling operations, and iron or other posts and wire fencing will be available on each location immediately upon cessation of drilling and the fourth side of the reserve pit will be fenced prior to full removal of the rig from the location. Any other dangerous or harmful pits or sewage areas will also be fenced or covered at the time rig moved off location. The location will be policed and cleaned up, and rehabilitation of unused areas will be done after the drilling or completion rig has moved off.

8. Ancillary Facilities

No airstrips, camps, or other living facilities will be built or needed.

9. Well Site Layout

- (1) EXHIBIT "F", is the drill pad layout as staked by Uintah Engineering and Land Surveying. The cut and fill cross sections for the location is designated by STA. 0 + 00, STA. 1 + 10, and STA. 2 + 35. The location has been constructed from these contours. The top 6 inches of soil will be stockpiled as shown on the plat.
- (2) The mud tanks, pits, rig orientation, etc. for this well are shown in EXHIBIT 'F'. If this well is drilled by air, these facilities may change accordingly.
- (3) EXHIBIT "G", shows the present facility orientation, parking areas and access road for the location. Rig orientation is shown in EXHIBIT "F".
- (4) The reserve pit will be lined with Bentonite. Steel mud pits, if used, will be as shown in EXHIBIT "F".

10. Plans for Restoration

- (1) Backfilling, leveling and contouring will be accomplished as soon as possible after plugging of the well, or immediately on those areas unused if production is obtained. Waste disposal and spoils materials will be buried or hauled away immediately before rig moves off location.
- (2) Rehabilitation will be accomplished by spreading the banked topsoil over the area and contouring the banks

10. Plans for Restoration - Cont'd

that will be created in this heavily eroded area so that vegetation planted will be best protected from erosion. Revegetation will be accomplished using grasses or mixtures suited best for the dry, arid conditions encountered here. The access roads will be revegetated as needed.

- (3) Prior to rig release, the fourth side of the reserve pit at each drill site will be fenced and maintained until clean up operations are finished.
- (4) Any oil or spills will be immediately cleaned up or flagged.
- (5) Rehabilitation operations will commence as soon as the rig moves off location. However, revegetation will be delayed until the Spring of 1979 or the Fall of 1979 for optimum growth potential.

11. Other Information

This replacement well is located on the northwestern edge of the Grand Valley at the foot of the Book Cliffs. The topography of the immediate area grades from flat prairie to gullied hills, steeping with increasing proximity to the Cliffs. Long, narrow canyons, the majority of which carry only intermittent stream flow, form the chief topographic features of the Book Cliffs. This area receives very little annual precipitation; however, as this area is located at the mouth of Hay Canyon, it is subject to flash flooding.

The canyon bottoms and adjacent flatlands are composed predominantly of alluvial and colluvial material consisting of poorly sorted boulders, gravel, sand and silt. The soil on all locations is a sandy, silty clay formed from this material and is primarily derived from the Cretaceous Mancos Shale and the resistant Cretaceous and Tertiary sands forming the cliffs (refer to Item 1 of Exhibit "B").

The Flora at this location consists of sagebrush, tumbleweed, cactus, bunch grass and other sparse grasses, and occasionally Pinyon Pine and Juniper. The vegetation constitutes approximately 40-70% of the ground cover. The remaining exposed soil material is highly erodible. The observed animal population is domesticated sheep and cattle and a few deer, rabbits, snakes and lizards. Other wildlife indigenous to a rugged, semiarid environment is presumed to exist.

11. Other Information - Cont'd

- (2) Grazing is the only observed current surface use in this area. The location for #4 Federal 258 adjoins an abandoned ranch which at one time supported cultivated crops. The surface ownership is by Frank Spadafore of Montrose, Colorado, and BLM.
- (3) These locations are close to a small intermittent stream, as can be seen on the topographic map reproduced in EXHIBIT "E". However, this location should be far enough from the stream that there will be no danger of contamination from seepage from the reserve pit, and any runoff of oil or chemicals from the drill site will not be permitted (refer to Item 7 above).

It is not anticipated that an archeological survey will be required for this offset location. The original clearance for the #1 Federal 258 should suffice.

The commencement of operations is planned for approximately November 1, 1978, or as soon as possible after approval.

12. Lesee's or Operator's Representative

Peter B. Doty Production Coordinator The Anschutz Corporation 555 17th Street 2400 Anaconda Tower Denver, Colorado 80202

Phone: (303) 825-6100 Res: (303) 427-2873 Wayne C. Pierce Operations Manager The Anschutz Corporation 555 17th Street 2400 Anaconda Tower Denver, Colorado 80202

Phone: (303) 825-6100 Res: (303) 794-3860

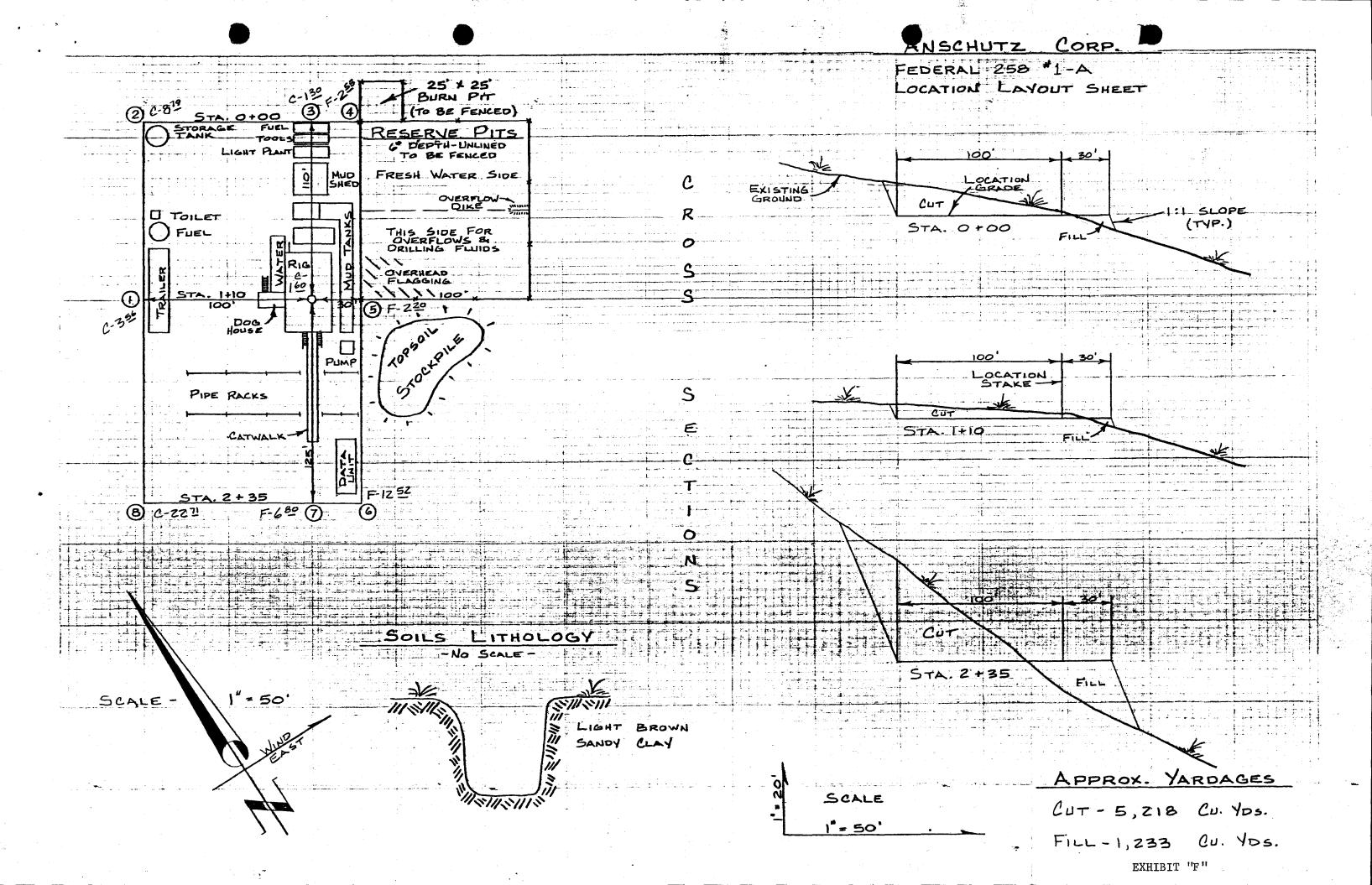
13. Certification

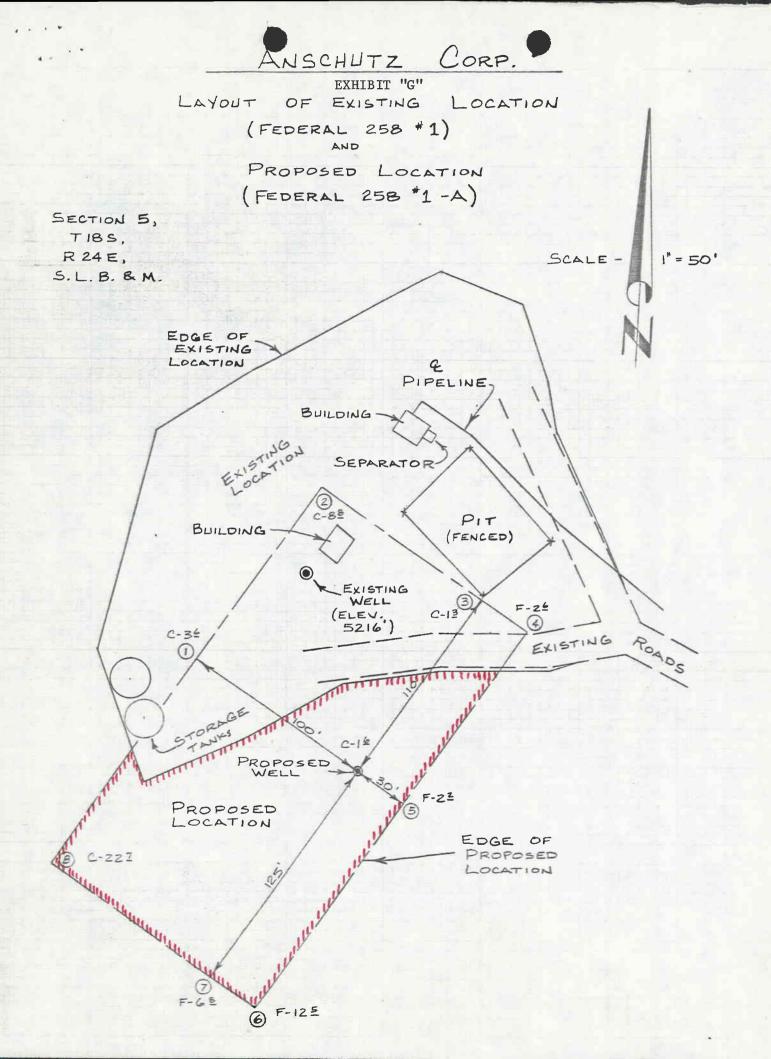
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by The Anschutz Corporation and its contractors and sub-contractors in conformity with this plan and their terms and conditions under which it is approved.

Date: 9-22-78

Name: Peter B. Doty

Title: Production Coordinator
The Anschutz Corporation





STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date:	Toma Production
1 Lex	iona production
Operator: The Amach of	Z Covf
Well No: Federal 25	8 No #H
Location: Sec. <u>5</u> T. <u>185</u> R. <u>24</u>	E County: Matsh Band
File Prepared: //	Entered on N.I.D.: //
Card Indexed: //	Completion Sheet: //
API Number:	de ou Zolla
Art Number:	D-V17-30767
CHECKED BY:	
Administrative Assistant:	
Remarks:	
Petroleum Engineer:	
Remarks:	
9	
Director:	
Remarks:	
INCLUDE WITHIN APPROVAL LETTER:	
Bond Required: / /	Survey Plat Required: ///
The state of the s	The state of the s
Order No.	Surface Casing Change // to
Rule C-3(c), Topographic exception,	company owns or controls acreage
within a 660' radius o	of proposed site //
0.K. Rule C-3	O.K. In Unit
Other:	s contingent upon not
Approximate to	to him sound by
attended to	atter Ministen/Approved
A L	WILL TENT PHINTS AND COL
/MIC I LI her	





2400 ANACONDA TOWER · 555 SEVENTEENTH STREET · DENVER, COLORADO 80202 · 303-825-6100

October 2, 1978

Mr. Edgar Guynn District Engineer U. S. Geological Survey 8440 Federal Building Salt Lake City, Utah 84138

> Re: Federal 258 No. 1-A NW, SE, Sec. 5, T.18S-R.24E Grand County, Utah

Dear Mr. Guynn:

In submitting the Application For Permit to Drill the referenced location, I find I neglected to include the Rehabilitation Agreement.

Enclosed please find the Agreement executed by me.

If you have any questions, please do not hesitate to call.

Thank you.

Sincerely,

Peter B. Doty

Production Coordinator

PBD/mle

Enclosures:

Co: With Division of Oil Sas, Mining

REHABILITATION AGREEMENT

Lease No.	•	U-14	258	; Well Name and No.: Federal 258 No. 1-A
Location:	NW	<u></u> ½	SE ½	Section <u>5</u> , T. <u>18S</u> , R. <u>24E</u> .
	The			
owned by	Mr.	Frank	Spadaf	and to drill a well on surface
to comple	te the	follow	ving re	ore . The lessee/operator agrees ehabilitation work if the well is a producer:
X	Yes		No	Maintain access road and provide adequate drainage to road.
XX	Yes		No	Reshape and reseed any disturbed area in excess of the pump and support facilities.
Other req	uiremer	its:		
-	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·	·			
The follo	wing wo	rk wil	1 be c	completed when the well is abandoned:
[77]	. X7			
LX.	Yes		No	Site will require reshaping to conform to existing topography
•				
X	Yes		No	Pit will be fenced until dry, then filled to conform to topography.
X	Yes		No	Entire disturbed area will be reseeded. If yes, the followin seed mixture will be used:
				Indian Rice Grass 1.5 lb/acre Globemallow 1 lb/acre Sand Drop 1.5 lb/acre Shadscale 1 lb/acre Four Wing Slat Bush 1 lb/acre
XX	Yes		No	Access road will be rehabilitated and reseeded using the same seed mixture as above.
	Yes	XX	No	Access road will remain for landowner's use.
Other req	uiremen	ts: _		
				
	- ,	· · · · · · · · · · · · · · · · · · ·		
Landowner				Operator/Lessee
Name:	Frank	Cnodaf	- na -	
Address:	Frank Spada	fore R		Name: The Anschutz Corporation
City:	Montr		anch	Address: 555-17th Street, 2400
State:	Color			City: Denver State: Colorado
Telephone			9-9745	Telephone: (303) 825-6100
Date:	Sept	ember	29, 19	78 Date: September 29, 1978
XX	Yes		No	I certify rehabilitation has been discussed with the surface
	\$ ·		•	owner. Peter B. Doty

This agreement covers rehabilitation requiremtnets only and does not affect any other agreements between the lessee/operator and surface owner.

SCOTT M. MATHESON

GORDON E. HARMSTON

Executive Director,

NATURAL RESOURCES

CLEON B. FEIGHT

Director



OIL, GAS, AND MINING BOARD

1. DANIEL STEWART

Chairman

CHARLES R. HENDERSON JOHN L. BELL THADIS W. BOX C. RAY JUVELIN

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING 1588 West North Temple Salt Lake City, Utah 84116 (801) 533-5771

October 16, 1978

The Anschutz Corporation 555 - 17th Street Suite 2400 Denver, Colorado 80202

> Re: Well No. Federal 258-#1-A Sec. 5, T. 18 S, R. 24 E, Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer HOME: 582-7247 OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30469.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT Director

cc: U.S. Geological Survey

(Other instruction reverse side) UNITED STATES

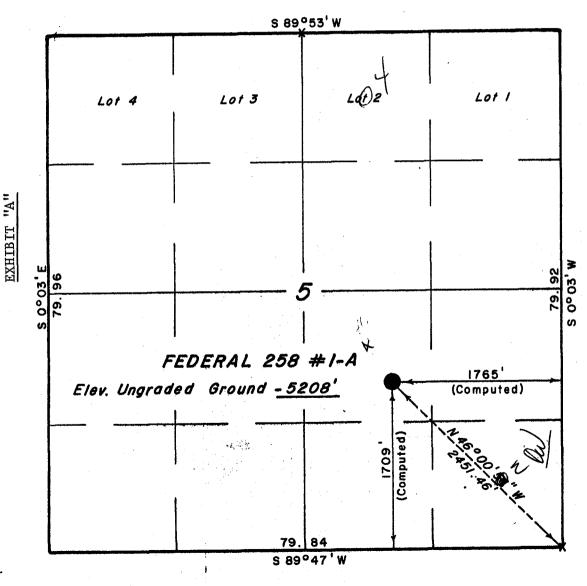
SUBMIT IN TRIPLE

Form approved. Budget Bureau No. 42-R1425.

	DEPARTMENT	OF THE II	NTERIO	OR .		5. LEASE DESIGNATION AND SERIAL NO.
	GEO! O	SICAL SURVE	*Y			
A DDL IC A TION				00 01116	DACK	U-14258 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	I FOR PERMIT T	O DRILL, L	<u> </u>	I, OR PLUG	RACK	
1a. TYPE OF WORK	LL 🗓	DEEPEN [OFFIC D	A CV []	7. UNIT AGREEMENT NAME
b. Type of Well	LL A	DEEPEN L		PEUG BA	ACK L	
OIL GA	S OTHER		SING	LE MULT	incres /	8. FARM OR LEASE NAME
2. NAME OF OPERATOR	ELL LJ OTHER		73	RECENT 1978	- 	Federal 258
The Anso	chutz Corporatio	nn		BFPr. 10.	H	9. WELL NO.
3. ADDRESS OF OPERATOR	SHULL GOLPOLULL	712	<u> </u>	260 1 01 W	w w	1 (-A
555 17th 4. LOCATION OF WELL (Re	Street, Suite	2400, Denv	er, G	DEC NOTHING 80202 MINING		10. FIELD AND POOL, OR WILDCAT
At surface 1765 FI	EL 1709 FS	in accordance wit	n any kupon	e requirements.*)		
1,00, 11	FP 1/09 F9.	.	· \	E De Co		11. SEC., T., B., M., OB BLK. AND SURVEY OB AREA
At proposed prod. zone	B			1911		Sec. 5, T.18S, R.24E
14 DISTANCE IN MILES A	ND DIRECTION FROM NEAR	EST TOWN OF POS	P OFFICE#	***************************************		12. COUNTY OR PARISH 13. STATE
	miles N.W. of H					
15. DISTANCE FROM PROPO		arrey beine		F ACRES IN LEASE	1 17. NO.	Grand Utah OF ACRES ASSIGNED
LOCATION TO NEAREST PROPERTY OR LEASE L		709	1			HIS WELL 80
(Also to nearest drlg	. unit line, if any)		10 PPOP	OSED DEPTH	20 POT	RY OR CABLE TOOLS
18. DISTANCE FROM PROPORTO NEAREST WELL, DE OR APPLIED FOR, ON THI	RILLING, COMPLETED,	98.6'		500		tary
21. ELEVATIONS (Show whe		· · · · · · · · · · · · · · · · · · ·	·			22. APPROX. DATE WORK WILL START*
5208 GR	5218' KB (Est)					November 1, 1978
23.		ROPOSED CASIN	G AND C	EMENTING PROG	RAM	
<u> </u>	 			<u> </u>		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	00T	SETTING DEPTH		QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.0#		250'		. to surf. (± 150 sx)
6-3/4"	4-1/2"	<u>9.5#</u>		4500 '	200	SX.
Exhibits Attach				limit postan	Dod Ton	out, Cut and Fill Sections
"A" Location an						lity Layout and Proposed Pad
"B" The Ten poi "C" Blow-Out Pr				Extens	•	itty hayout and froposed rad
"D" Multi-Point		•		EACCH	31011	
"E" Area Access		Man				
H MICA MCCESS	Roug and well	za.p				
It is planned t	o drill this we	11 through	the D	akota Format	tion as	a replacement for the
						necessary. Gas zones
encountered wil	1 be checked fo	r volume t	hrough	2" lines of	ff the c	asing head after the pipe
rams have been	closed. The bl	ooie line	of at	least 100' :	in lengt	h will extend from the
rotating head i	nto the reserve	pit. Af	lare w	ill be maint	tained a	t the end of the blooie
line at all tim	es while drilli	ng below 1	000'.	In the ever	nt of co	mmercial production, 42"
casing cemented	250' above the	top of th	e Dako	ta formation	n.	
	•			•		그는 및 의 성장 부리 수 및 실패권을 하는 것
						ductive zone and proposed new productive
zone. If proposal is to preventer program, if any		lly, give pertinen	t data on	subsurface locations	and measure	ed and true vertical depths. Give blowout
24.	^					
A REP	BL			duction Coo	rdinator	September 21, 1978
BIGNED Peter B	. Doty	Tr	rle			DATE
(This space for Fede	ral or State office use)					
PERMIT NO.				PPRGVAL DATE		- (· -) - (
/ -	WILLIAM			40.00		- MAY 4 E 4079
APPROVED BY	i' i i will	Tr	ACT	ING DISTRICT EN	GINEER	DATE NUM 13 1978
CONDITIONS OF APPROV	AL, IF ANY:					· · · · · · · · · · · · · · · · · · ·

*See Instructions On Reverse Side

T185, R24 E, S.L.B. & M.



X = Section Corners Located

PROJECT

ANSCHUTZ CORP.

Well location, FEDERAL 258
#/-A, located as shown in the NW
1/4 SE 1/4 Section 5, T18 S, R24 E,
S.L.B. & M. Grand County, Utah.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR REGISTRATION Nº 2454

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE " = 1000'	9/7/78
PARTY DA JB DJ	REFERENCES GLO Plat
WEATHER Foir	FILE ANSCHUTZ CORP.

United States Department of the Interior Geological Survey 8440 Federal Building Salt Lake City, Utah 84138

Usual Environmental Analysis

		the state of the s	
Lease No.	· <u>U14258</u>		
Operator	The Anschutz Corporat	ion V	Well No. 1-A Federal 258
Location	NW4 SE4	Sec. <u>5</u> 1	Γ. <u>18 S.</u> R. <u>24 E.,</u>
County _	Grand	State Utah	Field Undesignated
Status:	Surface Ownership Priv	ateMinera	als <u>Federal</u>
Joint Fie	eld Inspection Date <u>Oc</u>	tober 24, 1978	
Participa	ants and Organizations:		
Rocky C	urnutt	BLM - Moab,	Utah
Pete Do	ty	The Anschutz	Corp., Coordinator
Mike Bro	own	Reseeding_Re	clamation Contractor
Chuck Z	immerman	Dirt Contrac	tor
Ray Fos	ter	USGS	
•			
Related I	Environmental Analyses a	nd References:	Pad 130 x 110 ss will
(1) Unit Book (2)	Resource Analysis Mountain Planning Unit	(06-01) BLM, Moab.	Pod 100 x 10 ess will No tou of top soul Stockente ac
Analysis		r ntal Scientist City, Utah	
Date 00	tober 24, 1978	Noted - G. Diwachak	Reviewed by: George Diwachak Environmental Scientis Salt Lake City, Utah

Proposed Action:

On September 25, 1978, the Anschutz Corporation filed an Application for Permit to Drill the No. 1-A Federal 258 replacement well for the No. 1, a 4500-foot oil test of the Summerville formation; located at an elevation of 5140 ft. in the NW4 SE4 Sec. 5, T. 18 S., R. 24 E., on Federal mineral lands and private surface; lease No. U14258. There was no objection raised to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are on file in the U.S.G.S. District Office in Salt Lake City, Utah and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming.

A working agreement has been reached with the controlling surface owner.

The operator proposes to construct a drill pad 130 ft. wide x 235 ft. long, of which about half will overlap onto an existing pad, and a reserve pit 100 ft., x 110 ft. No new access road would be constructed. The operator proposes to use existing production facilities at the No. 1 well located 100 ft. to the northwest (junked and abandoned).

The anticipated starting date is upon approval and duration of drilling activities would be about 30 days.

Location and Natural Setting:

The proposed drillsite is approximately 25 miles northwest of Mack, Colorado, the nearest town. A fair road runs up to the location. This well is in an undesignated field.

Topography:

Rugged terrain of dissected hills with narrow canyons. Site is located on west side of canyon cut by erosional gullies.

Geology:

The surface geology is Mancos shale. The soil is sand with sandstone fragments. No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blowout or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation. Operator proposes to use air drilling methods which would eliminate lost circulation problems.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. The pinon, juniper association is also present.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 1 acre of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emmissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rain fall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occurring predominately from west to east. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature varations on a daily and seasonal basis.

Surface Water Hydrology:

Drainage is to the north into Westwater Creek, a tributary of the Colorado River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potential for pollution would be present from leaks or spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the acquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations

via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. There would be no tangible effect on water migration in fresh water aquifers. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Pinon-juniper, grasses, rabbit brush, snakeweed, cactus. Plants in the area are of the salt-desert-shrub types grading to the pinon-juniper association.

Proposed action would remove about 1 acre of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to habitat on the project area. The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of raptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations; activity would cease until the extend, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to a passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Grand County, Utah.

But should this well discover a significant new hydrocarbon source, local, state and possibly national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface owner's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Book Mountain Planning Unit 06-01. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the surrounding Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserves pits would contain all fluids used during the drilling operations. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

1) Not Approving The Proposed Permit--The Oil and Gas Lease Grants The Lessee Exclusive Right To Drill For, Mine, Extract, Remove and Dispose Of All Oil And Gas Deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development <u>if</u> the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under U.S.G.S. and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

2) Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environmental would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as coutouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately 1 acre of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emmissions from rig engines of support traffic enginees would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills or gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplacable and irretrievable committment of resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to the Westwater Creek would exist through leaks and spills.

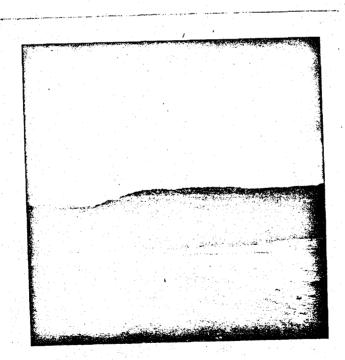
Determination:

This requested action $\frac{decs}{does}$ does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Sec. 102(2)(C).

11/6/78

Date

District Engineer
U.S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District



CORE LABORATORIES, INC. Petroleum Reservoir Engineering

DALLAS, TEXAS

PAGE NO.



PRELIMINARY COPY

THE ANSCHUTZ CORPORATION FEDERAL 258 NO. 1-A

UNNAMED FIELD GRAND COUNTY FORMATION : DAKOTA

DRLG. FLUID: AIR-MIST

LOCATION : NW SE SEC. 5-T18S-R24E

STATE : UTAH

DATE : 12-19-78
FILE NO. : RP-2-5765

ANALYSTS : FD:RG:RM

ELEVATION: 5218' KB

CONVENTIONAL CORE ANALYSIS

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CORE LABOR ORIES, INC. Petroleum Reser ir Engineering BALLAS, TEXAS

PAGE NO. 1

PRELIMINARY COPY
NARMO, INC.

THE ANSCHUTZ CORPORATION FEDERAL 258 NO. 1-A UNNAMED FIELD

GRAND COUNTY

FORMATION : DAKOTA

DRLG. FLUID: AIR-MIST

LOCATION : NW SE SEC. 5-T185-R24E

STATE : UTAH

DATE : 12-19-78
FILE NO. : RP-2-5765
ANALYSTS : FD:RG:RM

ELEVATION: 5218' KB

CONVENTIONAL CORE ANALYSIS

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CORE ANALYSIS RESULTS FOR
THE ANSCHUTZ CORPORATION
FEDERAL 258 NO. 1-A
UNNAMED FIELD
GRAND COUNTY, UTAH

SCHLUMBERGER WELL SERVICES

A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION HOUSTON, TEXAS 77001

12/27/78

PLEASE REPLY TO SCHLUMBERGER WELL SERVICES 1735 EAST 1500 SOUTH VERNAL, UTAH 84078

THE ANSCHUTZ CORPORAT	ION
555-17TH STREET SUITE	2400
DENVER, COLORADO 8020	2
Attention: G. SCHLICK	

Gentlemen:	The second second		
Enclosed are 4 prints of the D1	L/SFL:	CNL-FDC-C	iR on
Company ANSCHUTZ CORP.			
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P.O. BOX283	-		NORTH TEMPLE
HOUSTON, TEXAS 77001 ATTN: K. HAWKINS	_	SALT LA	KE CITY, UTAH 84116
ATTN: K. HAWKINS	- '		
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DENVER, COLORADO 80202	•	SALTIA	KE CITY, UTAH 84138
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We appreciate the privilege of serving y	ou.		
•		Very truly yo	urs.
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	e e e e e e e e e e e e e e e e e e e	H. P. T	HIV TO THE THE STATE OF
SWG1227 F			DISTRICT MANAGER

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

COMPANY THE ANSCHUTZ CORPORATION FIELD UNNAMED FILE RP-2-5765

WELL FEDERAL 258 NO. 1-A COUNTY GRAND DATE 12-19-78

LOCATION NW SE SEC. 5-T18S-R24E STATE UTAH ELEV. 5218' KB

CORE-GAMMA CORRELATION

These analyses, opinions or interpretations are based on observations and meterical supplied by the client to when, and fer whose exclusive and confident use, this repert is made. The interpretations or opinions expressed represent the best judgment of Core Loboratories, Inc. (old into officers and employees, essume ne respensibility and make ne warranty or representations os to the productivity, progregations or profit tolleances of any oil, gas or other mineral will or sond in connection with which twice report is used or relief upon.

VERTICAL SCALE: 5" = 100'

CORE-GAMMA SURFACE LOG

(PATENT APPLIED FOR)

GAMMA RAY

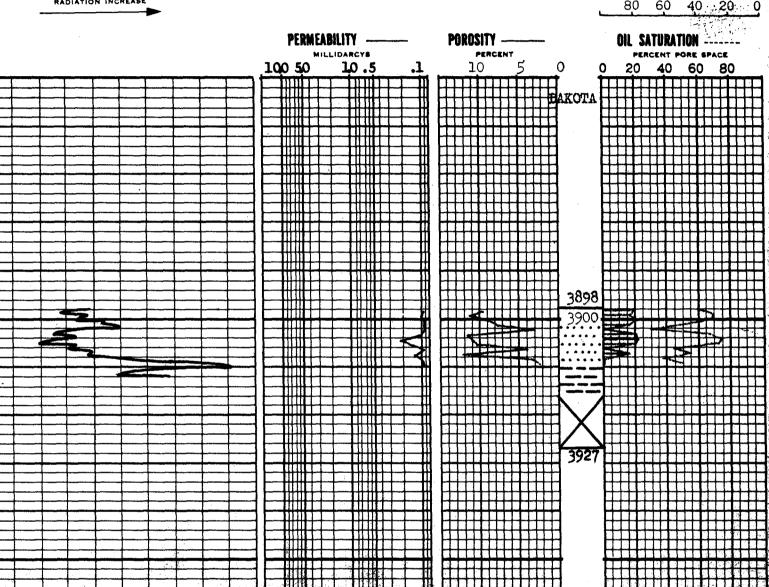
RADIATION INCREASE

COREGRAPH

TOTAL WATER

PERCENT TOTAL WATER

80 60 40 20



CORE SUMMARY AND CALCULATED RECOVERABLE OIL

FORMATION NAME AND DEPTH IN	TERVAL:	AKOTA - 3898.0-3908.0 Feet	
FEET OF CORE RECOVERED FROM ABOVE INTERVAL	10	AVERAGE TOTAL WATER SATURATION: PER CENT OF PORE SPACE	35.9
PEET OF CORE	8	AVERAGE CONNATE WATER SATURATION: . PER CENT OF PORE SPACE	30 (e)
AVERAGE PERMEABILITY: MILLIDARCYS	0.1	OIL GRAVITY: OAPI	38 (e)
PRODUCTVE CAPACITY: MILLIDARCY-FEET	0.8	DRIGINAL SOLUTION GAS-DIL RATID: Cubic feet per Barrel	
AVERAGE PORDSITY: PER CENT	10.4	DRIGINAL FORMATION VOLUME FACTOR: SARRELS SATURATED DIL PER BARREL STOCK-TANK DIL	1.30(e)
AVERAGE RESIDUAL DIL SATURATION: PER CENT OF PORE SPACE	18.3	CALCULATED ORIGINAL STOCK-TANK DIL IN PLACE: Barrels per acre-foot	434

Calculated maximum solution gas drive recovery is barrels per acre-foot, assuming production could be continued until reservoir pressure declined to zero psig. Calculated maximum water drive recovery is barrels per acre-foot, assuming full maintenance of original reservoir pressure, 100% areal and vertical coverage, and continuation of production to 100% water cut. (Please refer to footnotes for further discussion of recovery estimates.)

(c) Calculated (e) Estimated (m) Measured (*) Refer to attached letter.

INTERPRETATION OF DATA

3898.0-3908.0 Feet - Interval is interpreted to have possibility of producing oil with high gas oil ratio, provided a favorable response to formation treatment is obtained.

These recovery estimates represent theoretical maximum values for solution gas and water drive. They assume that production is started at original reservoir pressure; i.e., no account is taken of production to date or of prior drainage to other areas. The effects of factors tending to reduce actual ultimate recovery, such as economic limits on oil production rates, gas-oil ratios, or water-oil ratios, have not been taken into account. Neither have factors been considered which may result in actual recovery intermediate between solution gas and complete water drive recoveries, such as gas cap expansion, gravity drainage, or partial water drive. Detailed predictions of ultimate oil recovery to specific abandonment conditions may be made in an engineering study in which consideration is given to overall reservoir characteristics and economic factors.

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc., and its officers and employees assume no responsibility and make no warranty or representation as to the productivity, proper operation, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.



2400 ANACONDA TOWER 555 SEVENTEENTH STREET DENVER, COLORADO 80202 TELEPHONE 303-825-6100 TWX 910-931-2620



May 18, 1979

Ed Guynn, District Engineer U. S. Geological Survey 8426 Federal Bldg. 125 S. State Street Salt Lake City, Utah 84138

> Re: Federal 258 No. 1-A NW SE Sec. 5, T18S, R24E Grand County, Utah

Dear Mr. Guynn:

Enclosed please find two copies of our Completion Report (Form 9-330) on the subject well.

Sincerely,

Peter B. Doty

Operations Coordinator

PBD:jp

cc: Cleon Feight

ED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN DUP (See other in-

Form approved. Budget Bureau No. 42-R35

structions on 5. LEASE DESIGNATION AND SERIAL NO. GEOLOGICAL SURVEY U-14258 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG* 1a. TYPE OF WELL: OIL XX GAS WELL 7. UNIT AGREEMENT NAME DRY Other . b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-S. FARM OR LEASE NAME Other 2. NAME OF OPERATOR Federal 258 9. WELL NO. 3. ADDRESS OF SPERATOR CORPORATION 1-A 2400 Anaconda Tower, Denver, Co 80202
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* 10. FIELD AND POOL, OR WILDCAT 1765' FEL 1709' FSL 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA At top prod. interval reported below Sec. 5, T18S, R24E At total depth 14. PERMIT NO. 12. COUNTY OR PARISH DATE ISSUED 13. STATE Grand 15. DATE SPUDDED Utah 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD 12-20-79 1 - 27 - 795208 Gr 5218 KB 5208 20. TOTAL DEPTH, MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 21. PLUG, BACK T.D., MD & TVD 23. INTERVALS DRILLED BY BOTARY TOOLS CABLE TOOLS 4039 0-4075 None 24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE 3902-3908 Dakota yes 26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED DIL, FDC - CNL Yes CASING RECORD (Report all strings set in well) - CASING SIZE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE CEMENTING RECORD AMOUNT PULLED 8-5/8" 24# 220 12 - 1/4150 sx. -0-4-1/2" 4069 7-7/8" 250 x. -0-29. LINER RECORD 30. TUBING RECORD SIZE TOP (MD) BOTTOM (MD) SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) 2 - 3/83913 KB None 31. PERFORATION RECORD (Interval, size and number) ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 3902-08 Gelled Acid 60,000 lbs sand 33.* PRODUCTION DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) WELL STATUS (Producing or shut-in) 2-8-79 Pumping Producing DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL-BBL. GAS-MCE WATER-BBL. GAS-OIL RATIO 1-22-79 12.5 11 27* FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE -BBL. GAS-MCF. WATER-BBL. OIL GRAVITY-API (CORR.) -0-34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY Burkhalter 35. LIST OF ATTACHMENTS Geologic Report foregoing and attached information is complete and correct as determined from all available records ---

TITLE Operations Coordinator

DATE -5-18-79

SIGNED

INSTRUCTIONS

Any necessary special instructions concerning the use of this form and the number of copies to be , particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. or both, pursuant to applicable Federal and/or State laws and regulations. and/or State office. submitted

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sumple and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments tion and

tem 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements, should be listed on this form, see item 35.

Consult local State

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hem 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, showing the additional data pertinent to such interval. to be separately produced, or Mederal office for specific instructions. for each additional interval

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Secret interval and the property and contents and the secret interval and the	TOM ESt. Wet Oil Wet Wet Wet	
3934 4012	ESt.	
	160 160 393, 401;	

THE ANSCHUTZ CORPORATION FEDERAL 258 NO. 1-A SECTION 5 - TOWNSHIP 18 SOUTH - RANGE 24 EAST GRAND COUNTY, UTAH SPADAFORE FIELD

GEOLOGIC REPORT

BY

A. WAYNE POWELL
DENVER, COLORADO
APRIL, 1979

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SAMDIE IOC										m 1 .

GEOLOGIC SUMMARY

The Anschutz Federal 258 No. 1-A was drilled to 4075 feet in the Morrison to test the potential of the Dakota sandstone and to reevaluate the Cedar Mountain formation. It is a twin well to the Federal 258 No. 1, drilled in April 1977 into the Entrada sandstone. The No. 1 well tested a sandstone in the Salt Wash and was completed in the Dakota sandstone as a small oil well. Production fell off rapidly, and the decrease was thought to be caused by casing problems. However, it now appears that the lack of significant production for these wells results from low porosity and permeability to fluid and insufficient gas volume to provide a good gas drive. The current well is pumping less than 5 BOPD at the present time.

The Federal 258 wells are located structurally in an area of west-northwest dip of 5 to 6 degrees (Approx. 600 feet per mile). Minor faulting may assist in the trapping mechanics, however, the Dakota oil entrapment is believed to be stratigraphically controlled. This Dakota sandstone either terminates or becomes impermeable in an updip direction to the southeast, possibly within one mile or less. The current well is located approximately 100 feet east of the original well and is 18 feet structurally higher on top of the productive Dakota sand.

The Dakota sandstone was cored from 3898 to 3911 feet. Shows in the upper 8 feet consisted of light tan, spotted to even stain with fluorescence and a strong gassy-oil odor. The lower 5 feet of core had only a weak gassy odor, speckled fluorescence and no visible stain. Fractures were not apparent in the core and no oil or gas to the surface was encountered while cutting the core with air-mist. Although the core was obviously fairly tight, the core analysis and E-logs indicated potential production and hopefully a frac stimulation would improve production. The best porosity in the core ranged from 7.7 to 12.3% and averaged 10.4%. Permeabilities were all less than 0.21 Md.

The Dakota sandstone thins very rapidly from 20 feet in the original test to 16 feet in the current well. The thinning seems to be in the lower, tighter portion of the sand, thus thickness of reservoir quality sandstone was not greatly affected. Previous Dakota evaluation wells in this area are the Anschutz 258-3 drilled 1/4 mile northeast and the Anschutz 258-5 drilled 1/2 mile to the south. Both these offsets lacked porous sand in the Dakota. The Anschutz 258 No. 6 well was recently drill 3/8 mile to the southeast of the subject well. It has a significant sand thickness but the sand is apparently also too tight for sustained production. It was tested through casing with poor shows of oil and gas.

Although any further evaluation of this isolated Dakota sand body could hardly be recommended, the potential for improved reservoir sandstone in a west-northwest direction is still plausible. However, a test in the NW or SW Section 5 would be a downdip location and might result in higher water saturations rather than an increase in oil production.

SUMMARY OF WELL DATA

OPERATOR:

The Anschutz Corporation

PARTNERS:

NARMCO

NICOR

WELL:

Federal 258 No. 1-A.

LOCATION:

1765 FEL, 1709 FSL, NW SE Sec. 5, T. 18 S, R. 24 E,

Grand County, Utah. (Approx. 100 feet east of the

258 No. 1 well).

ELEVATION:

KB 5218 feet.

GL 5208 feet.

FIELD:

Spadafore Dakota.

DRLG. SUPERVISOR:

Bill Cutler, Denver, Colorado.

CONTRACTOR:

Pease Drilling Co.

Rig No. 4

Toolpusher - T. P. Stoker

SPUD DATE:

December 5, 1978

T. D. DATE:

December 20, 1978

COMPLETION DATE:

April 23, 1979 -- pump testing well.

TOTAL DEPTH:

4075 feet in Morrison formation.

4079 feet -- Log T. D.

STATUS:

April 23, 1979 -- Pumping oil well, very low volume.

INITIAL POTENTIAL:

April 1979 -- pumping 2 to 8 BOPD and fm. water.

HOLE SIZE & CASING:

Hole Size

Casing

 $12 \ 1/4$ " 0 - 220"

8 5/8" at 220' with 150 sacks.

7 7/8" 220 - 4075

4 1/2" at 4069' with 250 sacks.

CORES:

No. 1 Dakota 3898 - 3911 feet; Rec. 13 feet.

No. 2 Dakota 3911 - 3927 feet; Rec. 5 feet.

TESTS:

Open Hole Tests:

None, no flow while drilling.

Completion Test:

Dakota, perfs - 3902 - 08.

SUMMARY OF WELL DATA

LOGGING PROGRAM: Sample Log 220 to 4075 feet by A. W. Powell.

Electric Logs 220 to 4075 feet by Schlumberger.

SAMPLE INTERVAL: 30 foot - 220 to 3700 feet.

10 foot - 3700 to 3880 feet.

5 foot - 3880 to 4075 feet.

CIRCULATE SAMPLES: 3880 feet - 10 min. (Drlg. with Air-mist)

3885 feet - 10 min. 3890 feet - 10 min.

3896 feet - 10 min. 3898 feet - 10 min.

SAMPLE CUTS &

STORAGE: None; cores sent to Core Lab., Denver, Colorado.

MUD PROGRAM: 0 - 100 feet, drilled with Air.

100 - 220 feet, drilled with mud, hole dry but had

soft caving sand.

220 - 260 feet, drilled with Air.

260 - 3911 feet, drilled with Air-Mist.

3911 - 4075 feet, drilled with Mud.

WATER ZONES: At 260 feet hole became wet in top Mancos.

No significant water at 3911 feet, mudded up because

of caving and tight hole conditions.

LOST CIRCULATION: 3911 feet, lost some mud uphole while converting to

mud. No estimate of mud loss.

COMPLETION DATA: Set 4 1/2 inch casing at 4069 feet.

Perf. Dakota 3902 - 08.

Frac Treated with 678 Bbls. gelled acid and 60,000 lbs.

sand.

Swabbed well to recover load water.

Installed pump and pump testing well at rate of 2 to 8

BOPD with 4 to 28 BWPD.

FORMATION TOPS

AGE	FORMATION	DEPTH	DATUM	INTERVAL THICKNESS
CRETACEOUS	Castlegate SS.	100' Est.	+5118	60
	Mancos	160' Est.	+5058	3620
	Dakota Silt	3780	+1438	62
	Base Dakota Silt	3842	+1376	54
	Dakota SS.	3896	+1322	38
	Cedar Mountain	3934	+1284	78
JURASSIC	Morrison	4012	+1206	67
	Log. T. D.	4079		

ELECTRIC LOGGING PROGRAM

COMPANY	TYPE LOG	FROM	TO	SCALE
Schlumberger	Dual Induction	219	4073	2" & 5"
Schlumberger	FDC - CNL - GR	3200	4078	511

OIL AND GAS SHOWS

Show & Fm:

Show No. 1, Dakota.

Depth:

3898 to 3911 feet.

Type Show:

Core.

Lithology:

3898-3906' - Sandstone, grayish-tan, hard, vfg, sl. mic. & carb., clay & silt cement, non-calcareous. 3906-3911' - Sandstone, white, hard to very hard, vfg, silty,

few black shale partings, silt & clay cement,

mod. calcareous. (See core description).

Porosity:

3898-3906' - Poor porosity.

3906-3911' - Very poor porosity.

Core Show:

3898-3906' - Spotted to even light tan stain, fair gassy-oil odor, fair yellow-white spotted to even fluor.

Fair cut.

3906-3911' - No stain, weak gassy odor, very poor speckled

fluor, no cut.

Gas Show:

No oil or gas to surface while coring with air-

mist.

Coring Time:

3898-3907 - 5 Min. per foot.

3907-3911 - 7.5 Min. per f∞t.

Evaluation:

3898-3906' - Poor to fair show.

3906-3911' - Very poor to trace of show.

(Also see Core Description and Core Analysis)

CORE DESCRIPTION

CORE NO. 1 Dakota - 3898 - 3911. Cut & Rec. 13 feet.

- 3898-3903 (5') SS, gy-tn, hd, vfg, s-a, prt. s-rd, F. srtg, sl. mic, v. sl. carb, n-calcr, cly. & silt cem, sl. slty; ocas carb. inclus, v. p. por. Tr. lt. tn, spkl stn, Fair yell-wh spkl, flor, fair gassy-cond. odor; Fair yell-wh. cut. Poor show.
- 3903-3906 (3') SS, gy-tn, hd, vfg to fg, s.a. s.rd, F. srtg, sl. carb, cly & slt cem, n-calcr; Pr. por; Pr spotted to even lt. tn stn, fair gassy-cond. odor, even yell-wh flor, fair-good yell-wh cut. Fair show.
- 3906-3911 (5') SS, wh 1t. gy, hd to v. hd, vfg, s.a, Fr. srtg, mod. slty, slt & cly cem, mod. calcr, sl. carb & w. few bk sh partings; V.P. por; no stn, wk gassy odor, v. pr. spkl flor. V.P.show.

Note: Core barrel length 30 feet, stopped coring at 3911 feet, while making a connection stuck barrel at 3884 feet and were unable to get back to bottom. Pulled short core and mudded up for Core No. 2.

CORE NO. 2 Dakota - 3911 - 3927. Cut 16 feet, Rec. 5 feet.

3911-3915 (4') Shale, bk, mod. soft, carb, sl. slty in part, non-calcareous. (Broken shale, mostly rubble, no positive fracturing). No show.

3915-3916 (1') Shale, bk to dark gray, mod. hard, sl. carb, mod. silty, non-calcareous. (Broken shale rubble). No show.

PAGE NO. 1

CORE LABORATORIES, INC. Petroleum Reservoir Engineering PALLAS, TEXAS

THE ANSCHUTZ CORPORATION FEDERAL 258 NO. 1-A UNNAMED FIELD GRAND COUNTY

FORMATION : DAKOTA

DRLG. FLUID: AIR-MIST LOCATION : NW SE SEC

LOCATION : NW SE SEC. 5-T185-R24E STATE : UTAH

DATE : 12-19-78
FILE NO. : RP-2-5765
ANALYSTS : FD:RG:RM

ELEVATION: 5218' KB

CONVENTIONAL CORE ANALYSIS

AMP. O. DEPTH	PERM. TO HORZ.	AIR (MD) VERTICAL	POR. FLD.	FLUID SATS. OIL WATER			DESCRIPTION
1 3898-99 2 3899 -0 3 3900 -1 4 3901 -2 5 3902 -3 6 3903 -4 7 3904 -5 8 3905 -6 9 3906 -7 10 3907 -8 11 3908 -9 12 3909-10 3910-3916 3916-3927		0.08 0.08 0.05 0.04 0.03 0.14 0.16 0.13 0.04 0.11 0.05 0.02	9.7 11.4 9.0 7.7 3.2 11.7 11.0 10.4 3.9 12.3 3.6 2.4	18.9 39.8 16.2 30.6 20.5 32.4 15.3 51.0 0.0 70.4 20.5 34.4 21.7 26.1 19.5 27.8 0.0 56.6 16.4 45.2 0.0 63.4 0.0 50.6	AND AND SAC.	SD WH VFG CL SD WH VFG CL	_ Y _ Y _ Y _ Y _ Y _ Y

CORE ANALYSIS

COMPLETION TEST NO. 1

Formation:

Dakota

Perforations:

3902 - 3908 feet with 2 shots per foot.

Swabbed:

Ran tubing to 3931 feet and swabbed 5 hours, recovered 300 feet water, no oil or gas.

Acid:

Treated with 1500 gals. acid and methanol.

I. R. 4 BPM at 2750 psi.

ISIP - 1950 psi; 15 min. SIP 800 psi.

Swab after Acid:

Swabbed 3 1/2 hours, recovered all of load acid, 3 to 4 foot gas flare between swab runs, no show of oil.

Frac Treatment:

678 Bbls. of 5% gelled acid and 60,000 lbs. sand.

Ave. IR 9 BPM at 5000 psi pressure.

ISIP 3300 psi.

Flow Test:

Flowed to pits after frac, flowed 300 BLW and 10 Bbls. oil with good show of gas and died.

Swab Testing:

1st day - 20 BNO, 384 BLW recovered, lack 294 BLW.
2nd day - 36 BNO, 470 BLW recovered, lack 208 BLW.
3rd day - Rec. 11 BNO & 27 BLW in 9 hours, gas at

100 MCFD; 40 BNOR, 497 BLW recovered,

lack 181 BLW.

Tubing:

Cleaned out sand to PBD of 3977 feet, landed tubing at 3947 feet. Ran rods and pump.

Pump Tests:

Pumped load water with trace of oil.

4th day - Pumped 68 Bbls. fluid, 20% oil & 170 MCFD. 6th day - Pumped 16 Bbls. fluid, 20% oil in 20 hours

8th day - Pumped 1 BNO and 40 BLW. 10th day - Pumped 7 BO and 28 BW.

Two months, pump testing well.

April 20 - 23, 1979, pumping 2 to 8 BOPD with formation water.

SUMMARY OF DAILY OPERATIONS

Date	Depth	Operation
Dec.197	78	
_		
5	0'	Spud well at 11:00 a.m.
6	220 ^r	Preparing to run surface casing. Drilled with air to
		100 feet and had to mud up because of soft caving
		sand. No water.
7	220'	Nipple up and drilling rat hole. Set 8 5/8 inch at 220
		feet with 150 sacks.
8	38 0 '	Drilling with air-mist. Hole became wet at 260 feet &
		converted to mist.
9	475'	Drilling with air-mist.
10	1037'	Trip in hole with new bit.
11	1680	Drilling with air-mist.
12	2780'	Drilling with air-mist.
13	3600'	
14	3898'	Drilling with air-mist.
15	3911'	Trip out for core barrel.
	3711	Stuck at 3884 feet with core & core barrel. Cored
•	•	3898 - 3911 feet with air-mist, no show of oil or
		gas to surface, made connection and could not get
16	20171	to bottom. Stuck core barrel at bit, no circulation
10	3911'	Converting to mud; pulled core barrel loose and trin
		out with Core No. 1, recovered 13 feet of core
•		rip in hole with bit to clean out, could not work
		last 5 feet to bottom, pulled 10 stands and started
17	0077	mudding up.
17	3911'	Circulating and conditioning hole with mud, working
7.0		pipe last 20 feet to bottom.
18	3911'	Trip out of hole to run core barrel.
19	3927	Trip in hole with bit; Core No. 2 3911-3927 feet,
		core barrel jammed, recovered 5 feet of core.
20	4075'	Trip out of hole for logs.
21	4075'	Finished running logs and trip in hole to condition for
		casing.
22	4075'	Ran 4 1/2 inch casing, set at 4069 feet with 250 sacks,
		released rig.
Jan.1979		
4	4075'	Ran Bond Log & CCL log. Top cement at 3600 feet.
		Poor bond 3876-93 feet good hand agence Delay
		Poor bond 3876-93 feet, good bond across Dakota sand zone.
10	4075'	Rig up completion tools.
12	3965' PBD.	
		Perfed 3902-08 feet, ran tubing to 3931 feet, swabbed
		5 hours & recovered 300 feet water, no show of oil
		or gas.

SUMMARY OF DAILY OPERATIONS

Date	Depth	Operation
13	3965' PBD	Acidized and swabbed back acid, 3 - 4 foot gas flare between swab runs, no show of oil, rec. all load acid.
14 - 17	3965' PBD	Hauling water & prep. to frac well, set Baker packer at 3736 feet.
18	3965' PBD	Frac with 60,000 lbs. sand & gelled acid, flowed well & rec. 300 BLW & 10 Bbls. oil with good show of gas, well died, prep to retrieve packer & swab test.
19 - 22	3965' PBD	Swabbing well, rec. 36 Bbls. oil, 470 BLW, lack 208 BLW.
23	3965' PBD	Swabbed 9 hours, rec. 11 Bbls. oil, 27 BLW, gas at 100 MCFD, fluid at 3700 feet; Total new oil 40 bbls., total load water 497 bbls; 181 bbls. load to recover.
24	3975' PBD	Sand pumping, tagged sand fill at 3917 feet, cleaned out to 3932 feet.
25	3975' PBD	Pumped out sand to 3975 feet - PBD.
26	3977' PBD	Landed tubing at 3947 feet, ran rods and pump.
1-27 to 2-5	5	Move off completion tools, build pod, set pumping unit and lay flowline.
Feb.1979		
6		Pumped up at 1200. Making load water with trace of oil.
7		Pumped up at 1200, making load water and trace of oil.
8		Pumped 60 BLW with trace of oil and gas.
9		Pumped 68 bbls. fluid, 20% oil, 80% water with 170 MCFGPD.
10		Pumped 30 BLW and 10 BO in 15 hours.
11 - 13		No report.
14		Pumped 16 Bbls. fluid, 20% oil in 20 hours.
15		No report.
16		Pumped 5 BO and 35 BLW.
17		Pumped 1 BO and 40 BLW.
23		Pumped 7 BO and 28 BWPD.
24 - 28	•	No report.

April 23, 1979 pump testing well, pumped 2 BO & 4 BWPD.

HOLE DEVIATION RECORD

Depth	Deviation in Degrees
220'	1
601'	1 3/4
975'	2 1/2
1308'	3 1/4
1565'	3
1750'	3
2248'	3
2685'	3 3/4
287 0 ′	3 3/4
3394'	4
4075'	3 1/2

BIT RECORD

No.	Size	Company	Type	<u>In</u>	Out	Footage	Hours
1	12 1/4"	Reed	Y-11 (RR)	0	220	220	-
.2	7 7/8"	Reed	Y-21	220	1037	817	39
3	7 7/8"	Reed	FP 54	1037	3898	2861	79
4	7 7/8"	Christenson	MC 20 (core)	3898	3927	29	10
5	7 7/8"	Reed	FP 54	3927	4075	148	19

SCOTT M. MATHESON Governor

GORDON E. HARMSTON Executive Director, NATURAL RESOURCES

> **CLEON B. FEIGHT** Director



OIL, GAS, AND MINING BOARD

I. DANIEL STEWART Chairman

CHARLES R. HENDERSON JOHN L. BELL THADIS W. BOX C. RAY JUVELIN

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING 1588 West North Temple Salt Lake City, Utah 84116 (801) 533-5771

June 5, 1979

Anschutz Corporation 2400 Anaconda Tower Denver, Colorado 80202

> Re: Well No. Federal 258-1A Sec. 5, T. 188, R. 24E,

Brand County, Utah

According to our records, a "Well Completion Report" filed with this office ______ from above referred to well(s) indicates the following electric logs were run: DIL. FDC-CNL

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS & MINING

KATHY OSTLER

RECORDS CLERK





ANACONO - 100 - 10

June 27, 1979

Mrs. Kathy Avilla State of Utah Department of Natural Resources Division of Oil, Gas and Mining 1588 West North Temple Salt Lake City, Utah 84116

Dear Kathy,

We are in receipt of your letter dated June 5, 1979, requesting copies of the electric logs run on the Federal 258 No. 1-A well located in the SESE Section 5, T18S, R24E, Grand County, Utah.

After much searching, we have managed to locate the log films and are having copies made for you. In our search, we also found the distribution list, which indicated that you were sent a copy of the final prints on 12/27/78. I assume that they were lost in the heavy Christmas mails. If you find you need additional copies, please let me know.

Sincerely,

Peter B. Doty

PBD/eq





2400 ANACONA TOWER · 555 SEVENTEENTH STREET · DENVER, COLORADO 80202 · 303-825-6100 · TWX 910-931-2620

August 3, 1979

Mr. Cleon Feight, Director Utah Division of Oil, Gas & Mining 1588 West, North Temple Salt Lake City, Utah 84116

Dear Jack,

This is to inform you that we have recently sold all of our interests in the South Flank of the Unita Basin and have turned operations of the following producing properties in Grand County to Narmco, Inc.:

Location
T18S, R24E 30469
T18S, R24E
T18S, R24E
0 T20S, R21E
T20S, R21E
3 T19S, R21E
T20S, R21E

Should any information be required on the above wells or any others which we operated in Grand County, I suggest you contact:

Narmco, Inc. Attn: Paul Hughes P.O. Box 283 Houston, Texas 77001

If I can be of any further assistance please give me a call.

Sincerely.

Peter B. Doty
Operations Coordinator

PBD/bv

cc: Ed Guynn, USGS, SLC
Jean Laws, USGS, Casper
Jane Henry, USGS, Casper
Mr. Gail Prince, Utah Division of Lands

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Form 9-329 Rev.Feb 76 OMB 42-RO356

MONTHLY REPORT
OF
OPERATIONS

Title: Production Coordinator

Lease No	71-014			
Communitiz	ration Agreement No			
Field Name	Un-Named			
	NA			
Participatin	g Area NA	_		
	Grand	State	Iltah	
	Texoma Producti		<u> </u>	
	*Formerly Narmco,)	-
☐ Amended		(====,		

The following is a correct report of operations and production (including status of all unplugged wells) for the month of October 19 79

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Meli No.	Sec &	TWP	RNG	Well - Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Bends of Water	Remarks
		-							
2	NE SE Sec 5	18S	24E	POW	30	557	30	-0-	
	NW SE Sec 5	185	24E	OSI	-0-	-0-	-0-	-0-	
						•			
mula	ive # 2 #1A					11,376 276	2,198 200	220	
mula	ive Both	Well	5			11,652	2,398	292	

Disposition of production (Lease, Participating Area, or Communitized Area basis)

Page ____ of

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
On hand, Start of Month	444	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
Produced	557	30	
Sold .		-0-	XXXXXXXXXXXXXXXXXX
Spilled or Lost		XXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXX
Flared or Vented	XXXXXXXXXXXXXXXXXXX	30	XXXXXXXXXXXXXXXXX
used on Lease	-0-	-0-	XXXXXXXXXXXXXXXXX
[£] Injected		-0-	
Surface Pits	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXX	
Other (Identify)	-0-	-0-	
*On hand, End of Month	1,001	XXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
API Gravity/BTU Content		-0-	XXXXXXXXXXXXXXXX
Authorized Signature: Ma	ron Kondelka	Address: P.O. Box	283 Houston, Texas

(Do

Dec. 1973

Form Approved.

Utah

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

	Budget Bureau No. 42-R1424
5.	LEASE
	71-014258
6.	IF INDIAN, ALLOTTEE OR TRIBE NAME
	n/a
7.	UNIT AGREEMENT NAME
	n/a
8.	FARM OR LEASE NAME
	Federa1
9.	WELL NO.

11. SEC., T., R., M., OR BLK. AND SURVEY OR

NWSE Sec. 5, 18S-24E

12. COUNTY OR PARISH 13. STATE

258-1A 10. FIELD OR WILDCAT NAME

Wildcat

AREA

Grand

14. API NO.

JUNDKI	MOLICES	AND	KEFUKI	3 UN	AAETT2
not use this fo	rm for proposal	s to drill c	r to deepen	or plug bac	k to a different

1. oil gas well well other 2. NAME OF OPERATOR Texoma Production Co. 3. ADDRESS OF OPERATOR P.O. Box 90996, Houston, Tx 77090 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: AT TOP PROD. INTERVAL: AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE. REPORT, OR OTHER DATA

SUBSEQUENT REPORT OF:

REQUEST FOR APPROVAL TO: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ABANDON* Change of operator

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

15. ELEVATIONS (SHOW DF, KDB, AND WD)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

New operator effective 4/1/81:

Buckhorn Petroleum Co. P. O. Box 5928 T.A. 1625 Broadway, Ste. 1200 Denver, Colo. 80217

Subsurface Safety Valve: Manu. and Type _ Set @ . 18. I hereby certify that the foregoing is true and correct TITLE Chief Prod. Stat. DATE May 12, 1981 (This space for Federal or State office use) APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

Subsurface Safety Valve: Manu. and Type _

CONDITIONS OF APPROVAL, IF ANY:

18. I hereby ceptify that the foregoing is true and correct



Form	Approved.	
Budge	t Bureau No. 42-R14	24

DEC. 19/3	Budget Bureau No. 42-R1424
UNITED STATES	5. LEASE
DEPARTMENT OF THE INTERIOR	U-014258
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)	
	8. FARM OR LEASE NAME
1. oil gas uell other	FEDERAL 258
2. NAME OF OPERATOR	9. WELL NO. 1 - A
BUCKHORN PETROLEUM CO.	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	Unnamed (Cisco ?)
P. O. Box 5928 T.A.; Denver, CO 80217	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA NWI SEI
below.) 1709'FSL & 1765'FEL(NW SE) 5-18S-24E	Sec. 5-T18S-R24E.
AT SURFACE: Grand County, Utah	12. COUNTY OR PARISH 13. STATE
	Grand Utah
Approx. June	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	43-019-30469 10-16-78
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD) 5208' GL; 5218' KB
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	•
FRACTURE TREAT SHOOT OR ACIDIZE SHOOT OR ACIDIZE	
REPAIR WELL	(NOTE: Report results of multiple completion or zone
PULL OR ALTER CASING [change on Form 9–330.)
MULTIPLE COMPLETE	
CHANGE ZONES ABANDON*	•
(other) Change of Operator	
·	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is discussed and true vertical depths for all markers and zones pertinent	irectionally drilled give subsurface locations and
Effective $12:01$ am $11-1-82$ Buckhorn Petroleum the subject well and lease, and relinquished of	
MR. WILLIAM BUSH	
c/o Frontier Drilling	
619 Viewpoint Drive	
Grand Junction, CO 81501	
Phone: 303/243-0493	
By copy of this notice, we are hereby advising	
to post the appropriate bond and to fulfill al	
accordance with the rules and regulations of t	the local, state, and federal
governing bodies.	

UNITED S DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

	Phicker		
Budget	Buresu	No.	42-R142

5.	LEASE	_
	U-142	58

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1	11.
	1 1 <i>41</i>

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

	A
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill of to deepen RECEIVED different reservoir. Use Form 9-331-C for such proposals.)	051410
reservoir. Use Form 9-331-C for such proposits.)	8. FARM OR LEASE NAME
I, oil gas Dry	U.S.A.
well well other MAY 8 1987	9. WELL NO.
2. NAME OF OPERATOR	258-1A
William G. Bush	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR DIV. OIL, GAS, MINING	Bushy
619 Viewpoint Dr. Grand Jct., Co.81506	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA Section 5
below.) 5-18S-24E	T18S - R24E SLM
AT SURFACE: 1765'FEL & 1709'FSL (NW SE)	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL: Same	Grand Utah -
AT TOTAL DEPTH: Same	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	43-019-30469
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)
	5208 ft. GL
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	The second secon
TEST WATER SHUT-OFF	·
FRACTURE TREAT	
SHOOT OR ACIDIZE	
REPAIR WELL	(NOTE: Report results of multiple completion or zone
PULL OR ALTER CASING	change on Form 9-330.)
MULTIPLE COMPLETE	
ABANDON*	
(other)	λ. *
including estimated date of starting any proposed work. If well is d measured and true vertical depths for all markers and zones pertinent. I will plug the well by pumping 35 satubing covering a zone from 3850 ft. cased from surface to 4075 ft. with 4 is perforated from 3902° to 3908 ft. with 10 sacks covering a zone from 12 Dry Hole Marker. Surface around well location will be Casing will not be pulled.	acks of cement through the to 4075 ft. The well is 12" (11.6#) casing. The casing I will set a plug at surface 20 ft. to surface and install
>	
Subsurface Safety Valve: Mahu, and Type	Set @ Ft.
18. I hereby certify that the foregoing is true and correct	
SIGNED William & Bustitle Operator	DATE Feb. 3, 1987
APPROVED BY State of APPROVAL IF ANY: (This space for Federal or State off Conditions of APPROVAL IF ANY:	They DATE 2/19/87

See Instructions on Reverse Side

CONDITIONS OF APPROVAL ATTACHED BY THE STATE ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

RATOR

Form 9-334 (May 1968)	UNITED STATES SUBMIT IN TRIPLICATE OF THE INTERIOR (Other instructions of the DEPARTMENT OF THE INTERIOR verse side) GEOLOGICAL SURVEY	Form approved. Budget Bureau No. 42-R1424 5. LEASE DESIGNATION AND SERIAL NO.
(Do not	SUNDRY NOTICES AND REPORTS ON WELLS use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	U-14258 6. IF INDIAN, ALLOTTER OF TRIPE NAME 051914
OIL WELL	WELL OTHER Dry Hole	7. UNIT AGREEMENT NAME
2. NAME OF OM W1 Address of	lliam G. Bush	8. FARM OR LEASE NAME USA 9. WELL NO.
619 Vies LOCATION OF See also spu At surface	WELL (Report location clearly and in accordance with any State requirements.* 5-18S-24E	258-1A 10. FIELD AND POOL, OR WILDCAT
1765' 1	FEL & 1709' FSL (NW SE)	Bushy 11. sec. t. e. m., or ble. and survey or area Sec. 5 T18S - R24E SLM
34. PERMIT NO. 43-019-	15. BLEVATIONS (Show whether DF, RT, GR, etc.) 5208' GL	12. COUNTY OR PARISH 13. STATE Grand Utah
TEST WATER T	SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF MULTIPLE COMPLETE FRACTURE TREATMENT SHOOTING OR ACCIDIZING	ENT REPORT OF: REPAIRING WELL ALTERING CASING ABANDON MENT*
Other) 17. DESCRIBE PRO	(Note: Report results Completion or Recomple	of multiple completion on Well- tion Report and Log form.)
4075 1 ated 1	work. If well is directionally drilled, give subsurface locations and measured and true vertical work.)* I plugged the well by pumping 35 sacks covering a zone to The well is cased from surface to 4075 ft. with $4\frac{1}{2}$ " from 3902 to 3908 ft. Plug was tagged @ 3838 ft. Surface plug was set from surface to 120 ft. with 10 salerker installed.	from 3838 ft. to casing & perfor-
	Surface around well will be leveled & seeded. No casing was pulled from the well.	
	RE	CEIVED AY 18 1987
		DIVISION OF

DIL, GAS & MINING

I hereby certify that the foregoing is true and corre		
SIGNED Will and & Bush	TITLE Operator	DATE May 15, 1987
(This space for Federal or State office use)		A CONTROL OF THE PROPERTY OF T
APPROVED BY	STATES Y	• • • • • • • • • • • • • • • • • • • •
CONDITIONS OF APPROVAL, IF ANY:	TITLE	ACCEPTED BY THE STATE
	•	OF UTAH DIVISION OF
		OIL, GAS, AND MINING
TAX		

*See Instructions on Reverse Side DATE: 5-19-87

Division of 0il, Gas and Mining PHONE CONVERSATION DOCUMENTATION FORM

Rou [/	Well File Blish A Fed Z S & [] Suspense Other
1.	Date of Phone Call: 2-22-90 Time: 11.48AM
2.	DOGM Employee (name) MRIS Klerst (Initiated Call [4)
	Name <u>DAIC Manches lis</u> (Initiated Call []) - Phone No. ()259-611/ of (Company/Organization) <u>BLM (Modb)</u>
3.	Topic of Conversation: Was P&A accepted by BLM for this
4.	Highlights of Conversation: Must get back to me — 2/23/90 Palked W/ Peresa Phompson @BLM (SLC) and she said that FAN for this Walluas not approved get (on at least she didn't have a copy yet) so # it was probably not approve yet this well should be inspectal unless we get an approved # FAN from BLM prior to the inspection.
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